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DATE MAILED: 03/22/2010

### NOTICE OF ALLOWANCE AND FEE(S) DUE

22242 7590 03/22/2010 FITCH EVEN TABIN & FLANNERY 120 SOUTH LASALLE STREET SUITE 1600

CHICAGO, IL 60603-3406

EXAMINER						
LAM, DUNG LE						
ART UNIT	PAPER NUMBER					
2617	•					

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/532,162	11/08/2005	Peter Bruce Darwood	9010/96543 (02-0098)	8234

TITLE OF INVENTION: ARRANGEMENT AND METHOD FOR SEQUENCE PRODUCTION IN A SPREAD SPECTRUM COMMUNICATION SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/22/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further c indicated unless correcte maintenance fee notificat	form should be used for correspondence includir d below or directed oth ions.	or tran	smitting the ISSU Patent, advance or in Block 1, by (a							
CURRENT CORRESPONDENCE ADDRESS (Note: Vize Block 1 for any change of address)					Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, mus- have its own certificate of mailing or transmission.					
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CHICAGO, IL 6	0603-3406			[						(Depositor's name)
										(Signature)
										(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVENT	OR		ATTO	RNEY DOCKET NO.	CONF	IRMATION NO.
10/532,162	11/08/2005			Peter Bruce Darwoo	d		9010	/96543 (02-0098)		8234
TITLE OF INVENTION SYSTEM									CATIO	
APPLN, TYPE	PPLN. TYPE SMALL ENTITY ISSUE FEE			PUBLICATION FEE D	UE	PREV. PAID ISSUE	S FEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO		\$1510	\$300		\$0		\$1810		06/22/2010
EXAMI	NER		ART UNIT	CLASS-SUBCLASS	$\neg$					
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"Fee Address" indi- PTO/SB/47; Rev 03-0. Number is required.  3. ASSIGNEE NAME AN	ondence address (or Cha /122) attached. cation (or "Fee Address' 2 or more recent) attach	nge of ' ' Indica ed. Use	Correspondence  ation form  of a Customer  E PRINTED ON T		p to nativ ingle or a attor be p	3 registered paten ely, firm (having as a gent) and the nam- neys or agents. If or inted.	memb es of u no nam	er a 2o to e is 3		has been filed for
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Advance Order - #	o small entity discount p		ed)	o. Payment of Fee(s): (I  A check is enclose Payment by credit  The Director is her overpayment, to D	card	I. Form PTO-2038 authorized to char	is atta	ched. required fee(s), any de	ficiency.	
	SMALL ENTITY state	ıs. See	37 CFR I.27.	b. Applicant is no						
NOTE: The Issue Fee and interest as shown by the re	l Publication Fee (if req ecords of the United Sta	uired) v tes Pate	will not be accepted ent and Trademark	d from anyone other the Office.	an th	ie applicant; a regi	stered a	ittorney or agent; or th	e assign	ee or other party in
Authorized Signature						Date				
Typed or printed name						Registration N	lo			
This collection of informa an application. Confidenti submitting the completed this form and/or suggestic Box 1450, Alexandria, Vi Alexandria, Virginia 2231	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this bu- irginia 22313-1450. DC (3-1450.	FR 1.3 U.S.C. USPT rden, sh O NOT	11. The information 122 and 37 CFR O. Time will vary acould be sent to the SEND FEES OR O	on is required to obtain 1.14. This collection is depending upon the in e Chief Information Of COMPLETED FORMS	or re esti idivi ficei S TO	etain a benefit by the mated to take 12 r dual case. Any co r, U.S. Patent and THIS ADDRESS	he publ minutes mment Traden i. SENI	ic which is to file (and to complete, includin s on the amount of tin hark Office, U.S. Depo O TO: Commissioner	by the g g gather ne you r urtment of or Pater	USPTO to process) ing, preparing, and equire to complete of Commerce, P.O. its, P.O. Box 1450,

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APPLICATION NO.	1	FILING DATE	ING DATE FIRST NAMED INVENTOR		CONFIRMATION NO.			
10/532,162	52 11/08/2005		Peter Bruce Darwood	9010/96543 (02-0098)	8234			
22242	7590	03/22/2010		EXAMINER				
FITCH EVEN	FITCH EVEN TABIN & FLANNERY				LAM, DUNG LE			
	120 SOUTH LASALLE STREET				PAPER NUMBER			
SUITE 1600 CHICAGO, IL 60603-3406				2617 DATE MAILED: 03/22/2010				

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 605 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 605 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

## Application No. Applicant(s) 10/532,162 DARWOOD ET AL. Notice of Allowability Examiner Art Unit DUNGLAM 2617 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to request for RCE dated 8/27/09. 2. X The allowed claim(s) is/are 1, 3-5, 7-12, 14-16, 18-24, 28-31, 33-36, 38-42, 44-49, 51-53, 58-61, 63, 65-67, 69-72, and 74-82. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) $\square$ All b) ☐ Some\* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). \* Certified copies not received: \_\_\_\_\_. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. T Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material 9. ☐ Other . /AJIT PATEL/ Primary Examiner, Art Unit 2617

Application/Control Number: 10/532,162

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#### Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 8/27/09 has been entered.

# Information Disclosure Statement

The Information Disclosure Statement submitted on 8/27/2009 has been considered by the examiner (see attached PTO-1449 form).

# Allowable Subject Matter

Claim 1, 3-5, 7-12, 14-16, 18-24, 28-31, 33-36, 38-42, 44-49, 51-53, 58-61, 63, 65-67, 69-72, and 74-82 allowed.

The following is an examiner's statement of reasons for allowance:

The cited prior arts of record fail to teach the underlined limitations below in combination with all the remaining limitations of independent claims 1. Similarly claim 12 is also allowed for the same reasons as claim 1. The dependent claims are allowed based on their dependencies of the independent claims.

 (Currently amended): An apparatus for producing a sequence of a predetermined length in a spread spectrum communication system, comprising: Application/Control Number: 10/532,162

Art Unit: 2617

means for storing a plurality of predetermined sequences having lengths less than the predetermined length;

means for arranging the plurality of predetermined sequences in an indexed list;

means for selecting at least two of the plurality of predetermined sequences from
the indexed list; and

means for concatenating the selected predetermined sequences to produce the sequence of the predetermined length;

wherein the means for selecting comprises:

means for selecting a first sequence of the at least two of the plurality of predetermined sequences with an index value of n from the indexed list, and means for selecting each successive sequence of the at least two of the plurality of predetermined sequences with an index value incremented from that of the previously selected sequence from the indexed list, and

wherein n is determined from at least one of A-F:

A initial cell parameter assignment,

B system frame number (SFN),

C chip rate of transmission,

D predetermined length of scrambling code,

E identifier of intended receiver of data spread with the predetermined length spreading code, and

F channelisation code employed.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### .Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DUNG LAM whose telephone number is (571) 272-6497. The examiner can normally be reached on M - F 9 - 5:30 pm, Every Other Friday Off

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Harper can be reached on (571) 272-7605. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information For published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see hittp://pair-direct-uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/AJIT PATEL/ Primary Examiner, Art Unit 2617